Fig. 1A

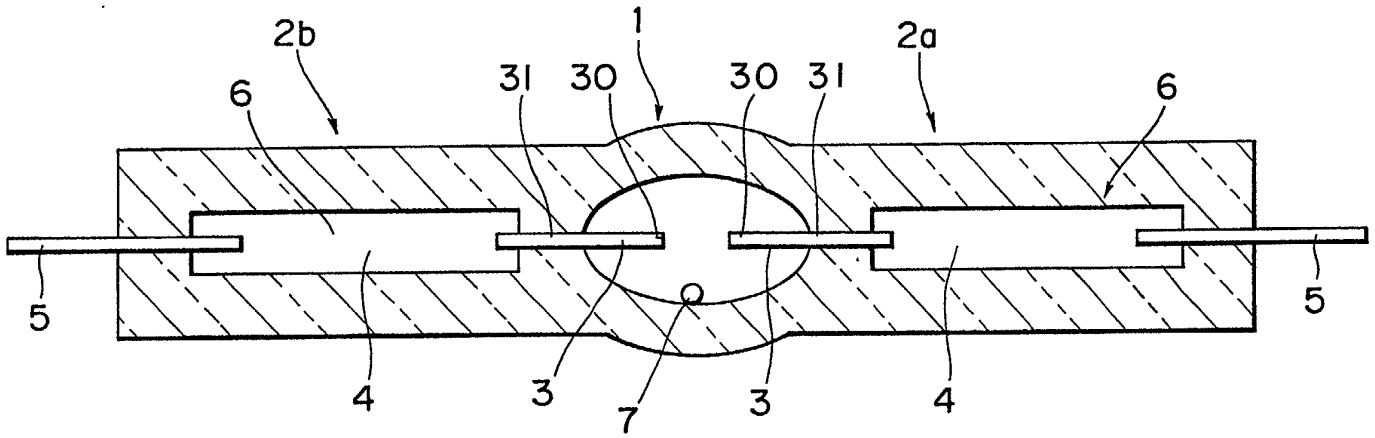

Fig. 1B

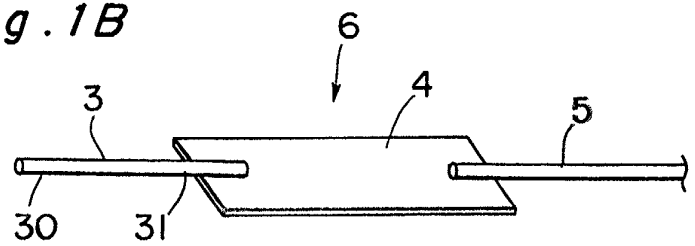

Fig. 2A

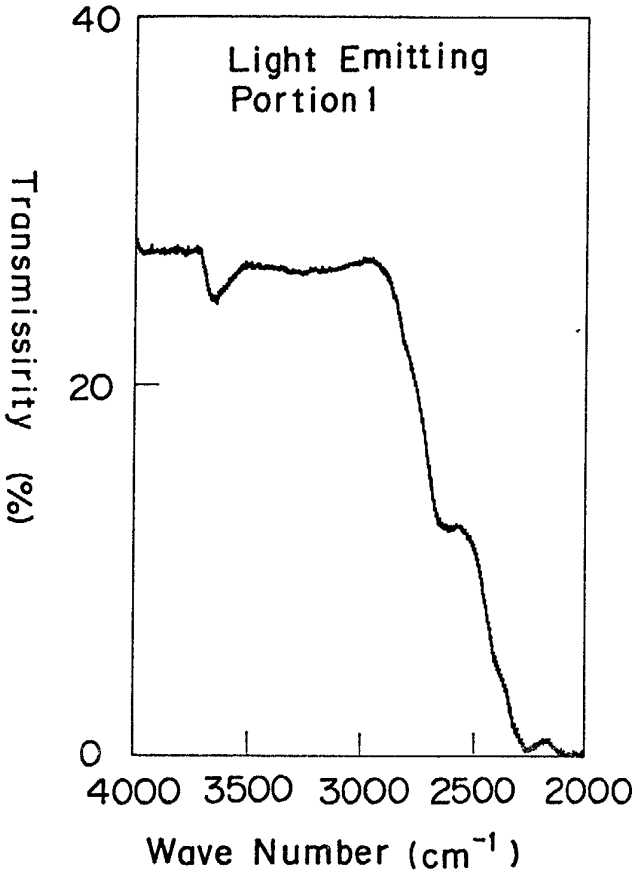
40
20
0
Light Emitting
Portion 1
Transmissirity (%)
4000 3500 3000 2500 2000
Wave Number (cm⁻¹)

Fig. 2B

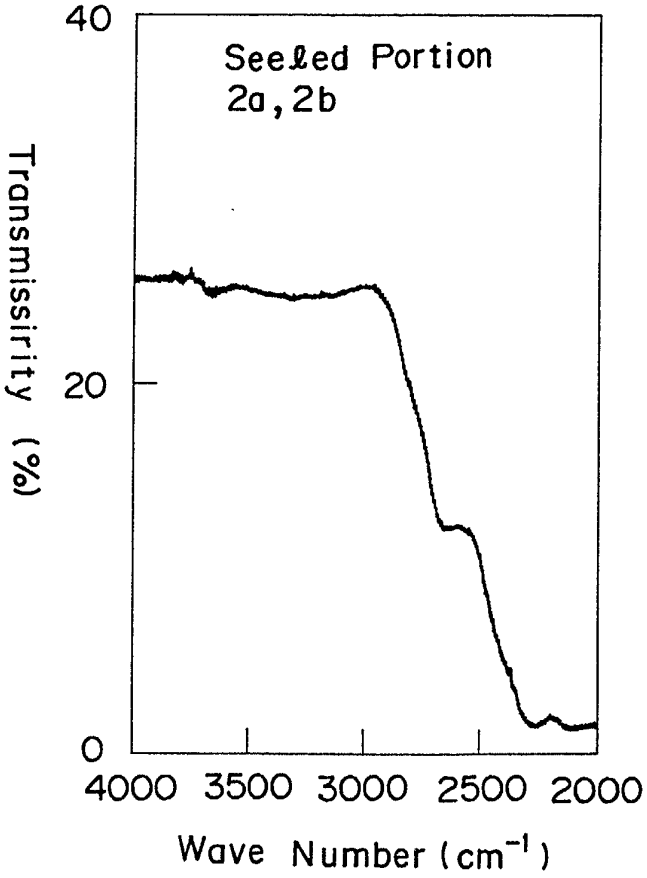
40
20
0
Seeled Portion
2a, 2b
Transmissirity (%)
4000 3500 3000 2500 2000
Wave Number (cm⁻¹)

Fig. 3

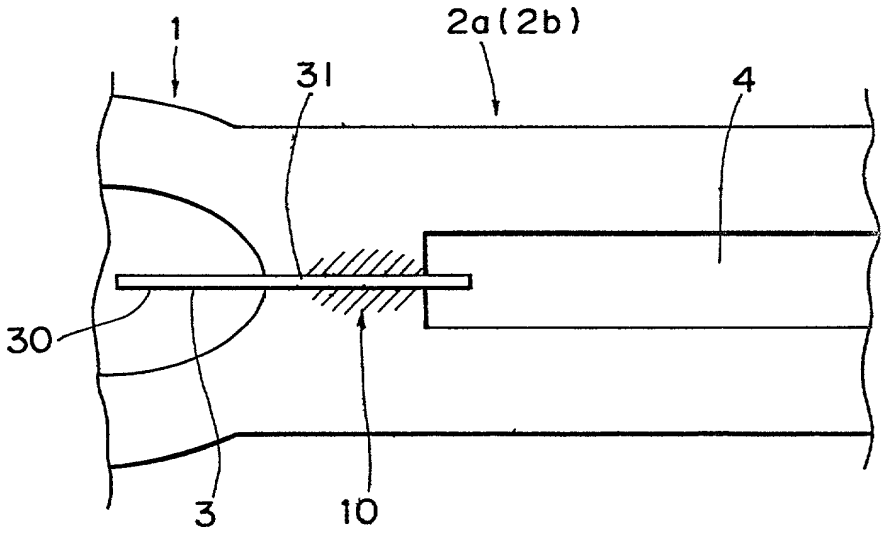

Fig. 4

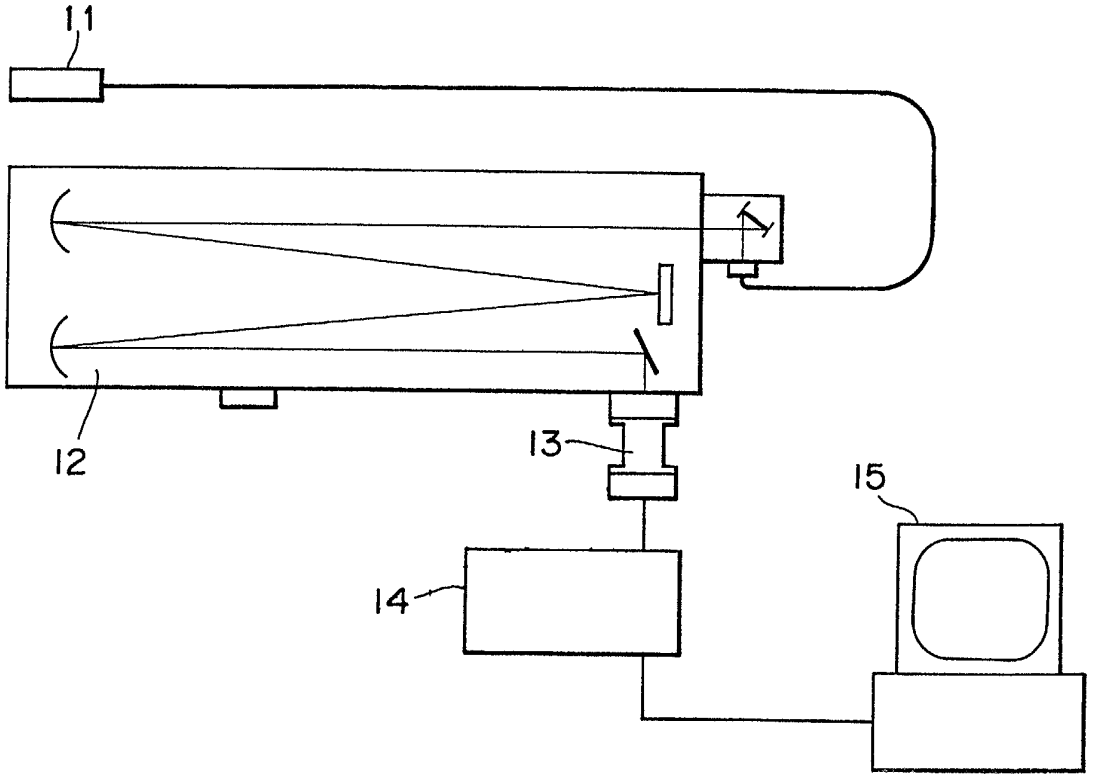

Fig. 5A

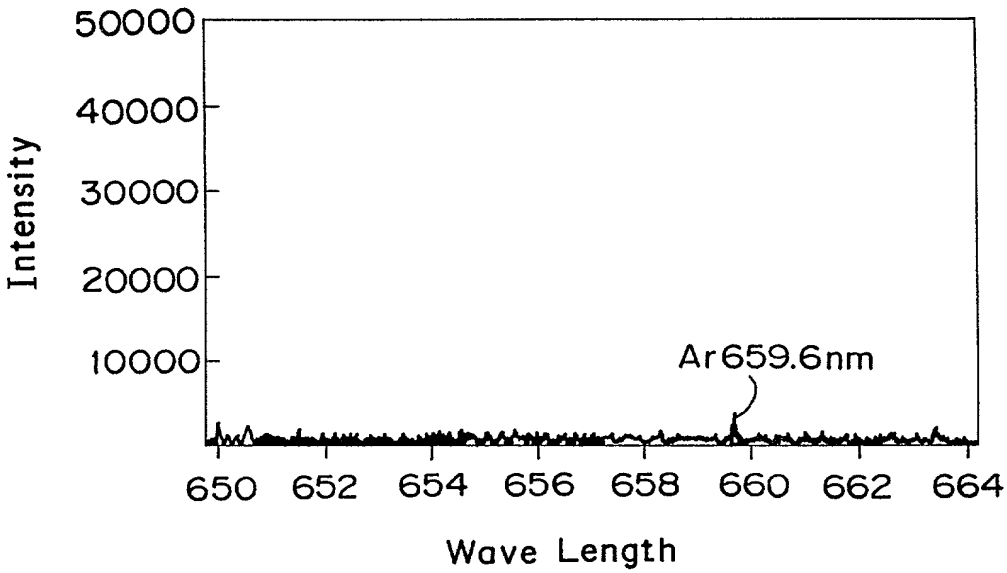
50000
40000
30000
20000
10000
Intensity
Ar659.6nm
650
652
654
656
658
660
662
664
Wave Length

Fig. 5B

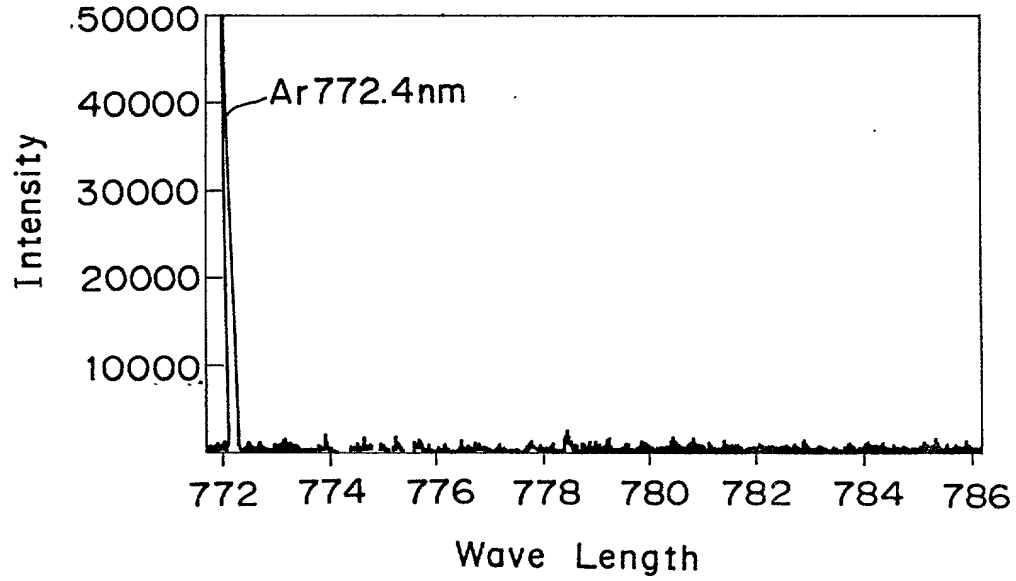
50000
40000
30000
20000
10000
Intensity
Ar772.4nm
772
774
776
778
780
782
784
786
Wave Length

Fig.6

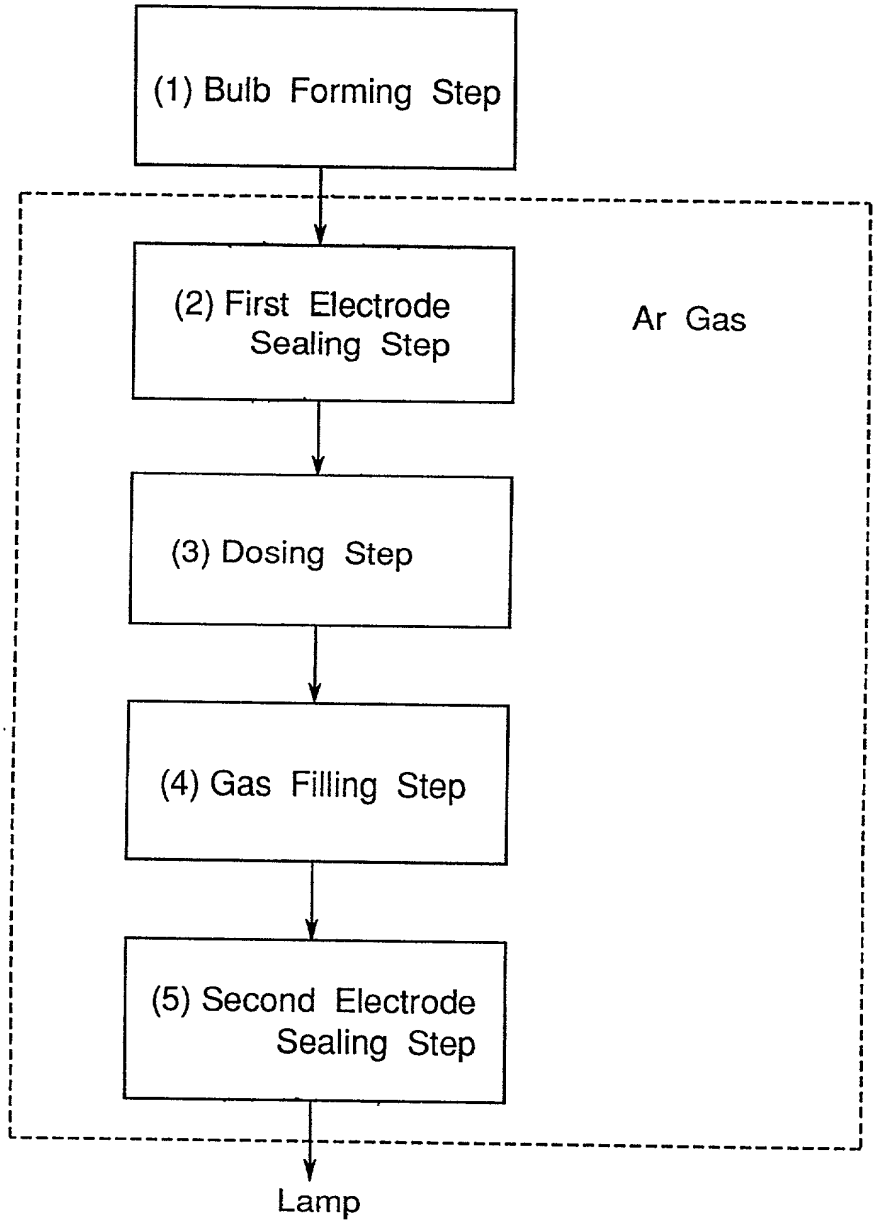
(1) Bulb Forming Step
(2) First Electrode Sealing Step
Ar Gas
(3) Dosing Step
(4) Gas Filling Step
(5) Second Electrode Sealing Step
Lamp

Fig. 7A

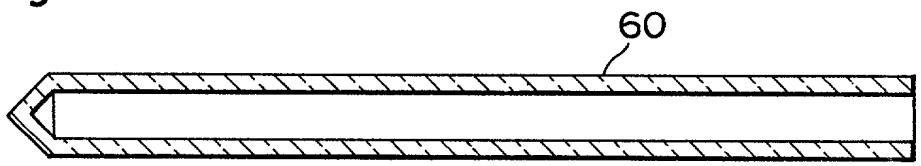

Fig. 7B

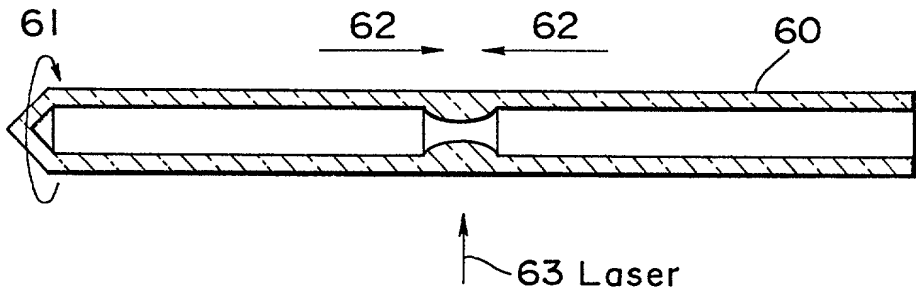

Fig. 7C

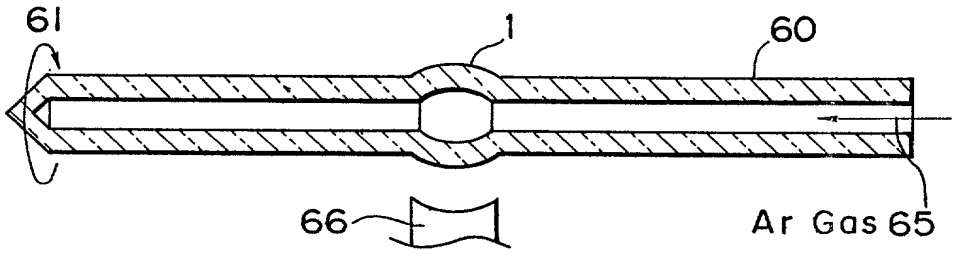

Fig. 7D

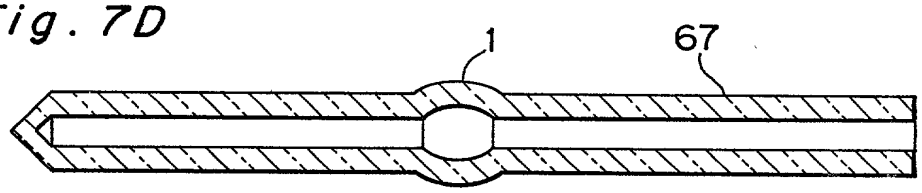

Fig. 8A

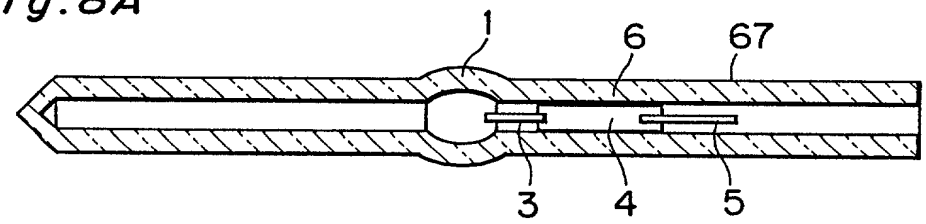

Fig. 8B

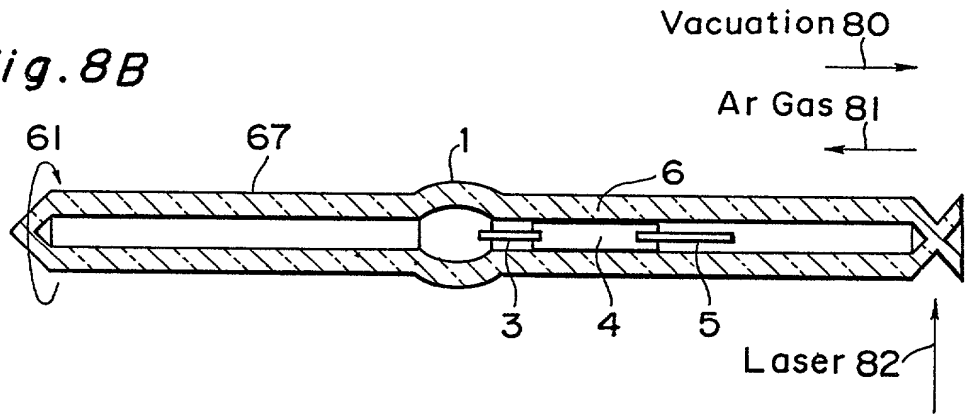

Fig. 8C

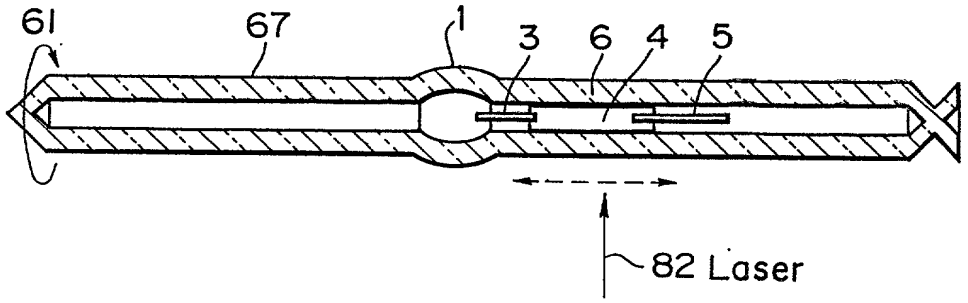

Fig. 8D

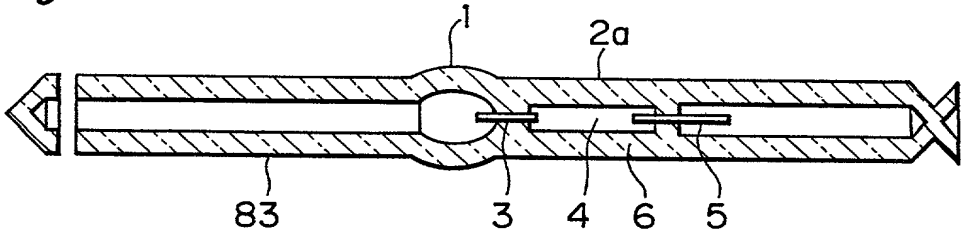

Fig. 9

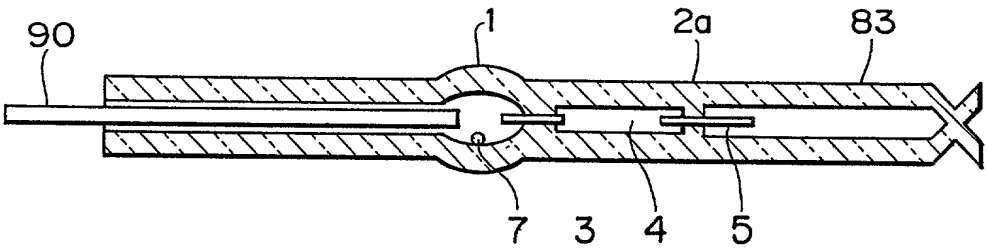

Fig. 10A

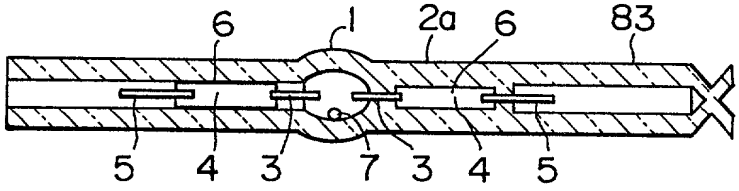

Fig. 10B

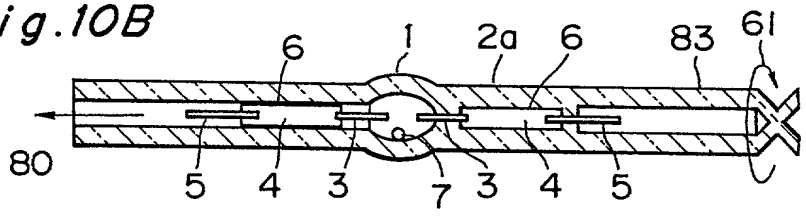

Fig. 10C

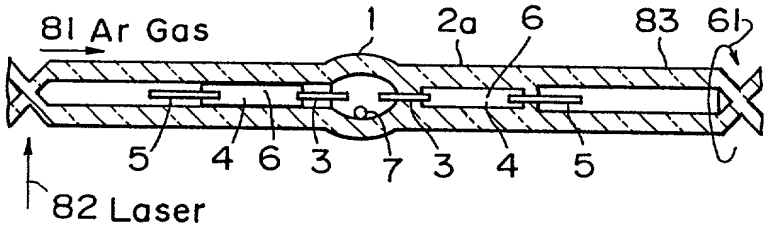

Fig. 10D

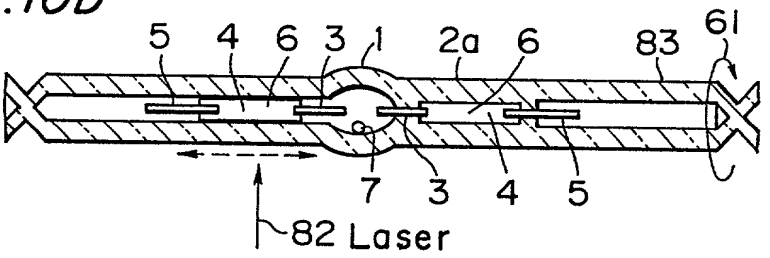

Fig. 10E

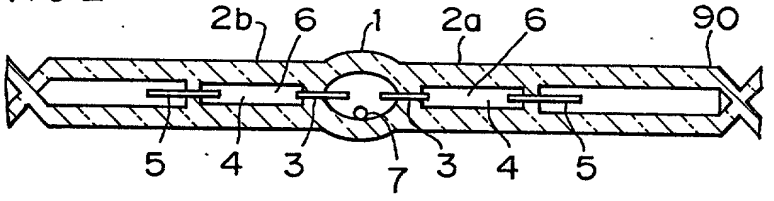

Fig. 11

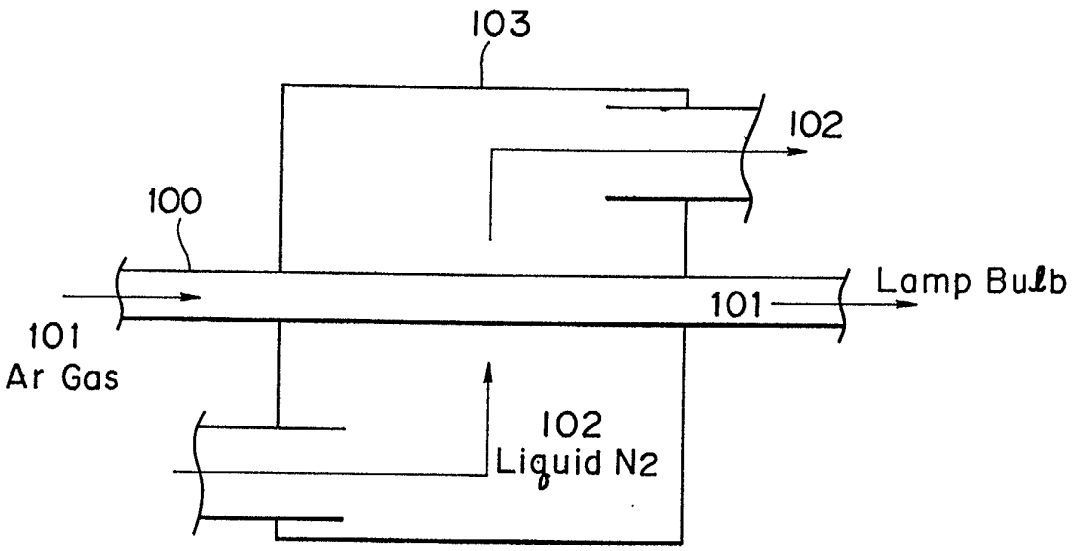

Fig.12

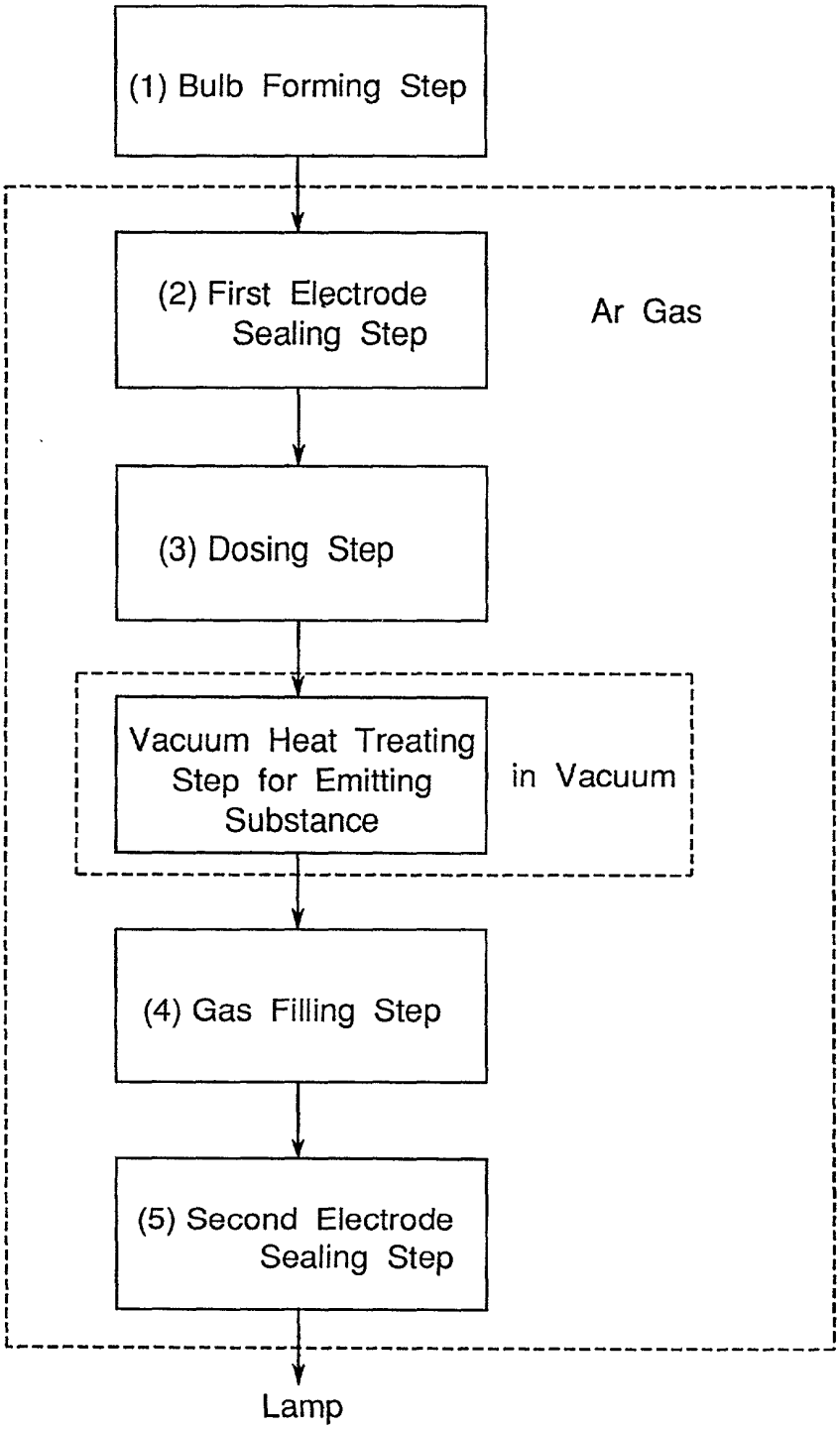
(1) Bulb Forming Step
(2) First Electrode Sealing Step
Ar Gas
(3) Dosing Step
Vacuum Heat Treating Step for Emitting Substance
in Vacuum
(4) Gas Filling Step
(5) Second Electrode Sealing Step
Lamp

Fig.13

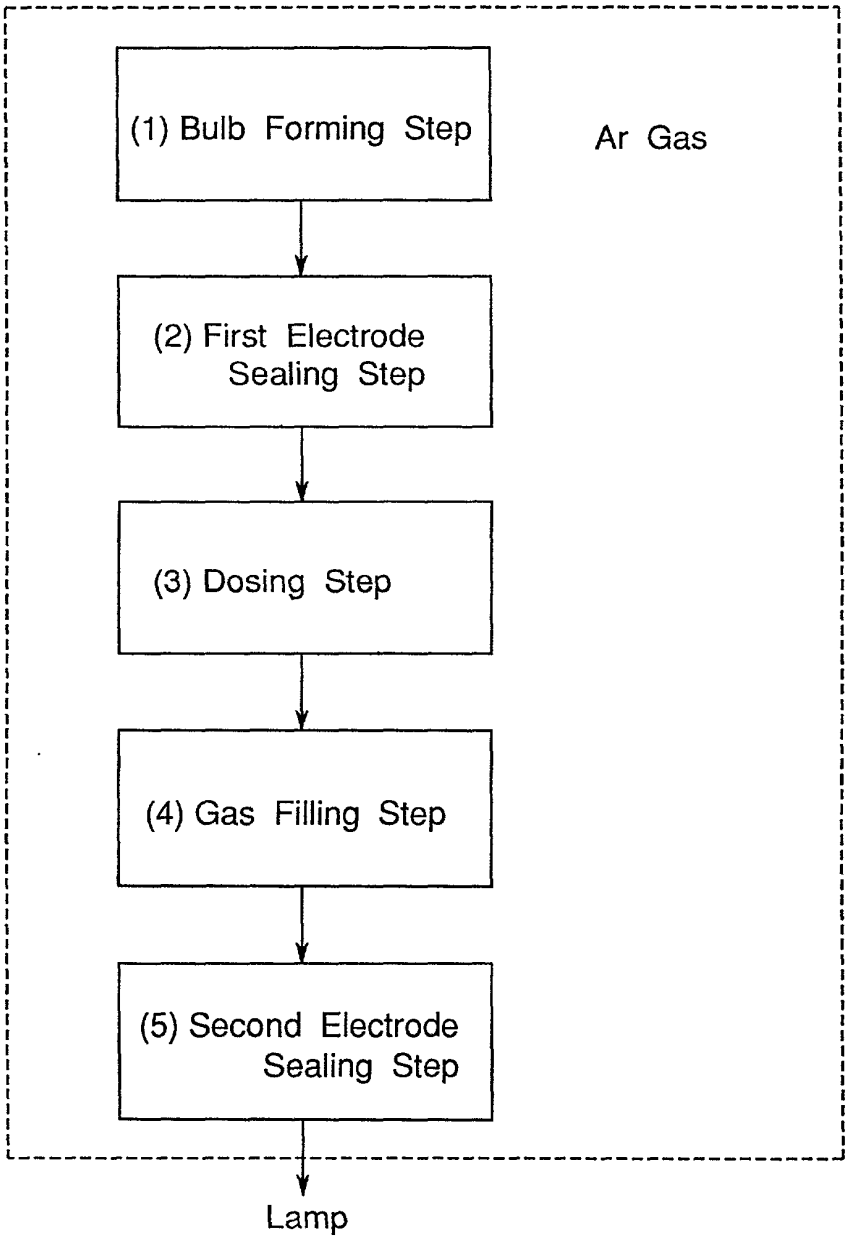
(1) Bulb Forming Step
Ar Gas
(2) First Electrode Sealing Step
(3) Dosing Step
(4) Gas Filling Step
(5) Second Electrode Sealing Step
Lamp

Fig.14

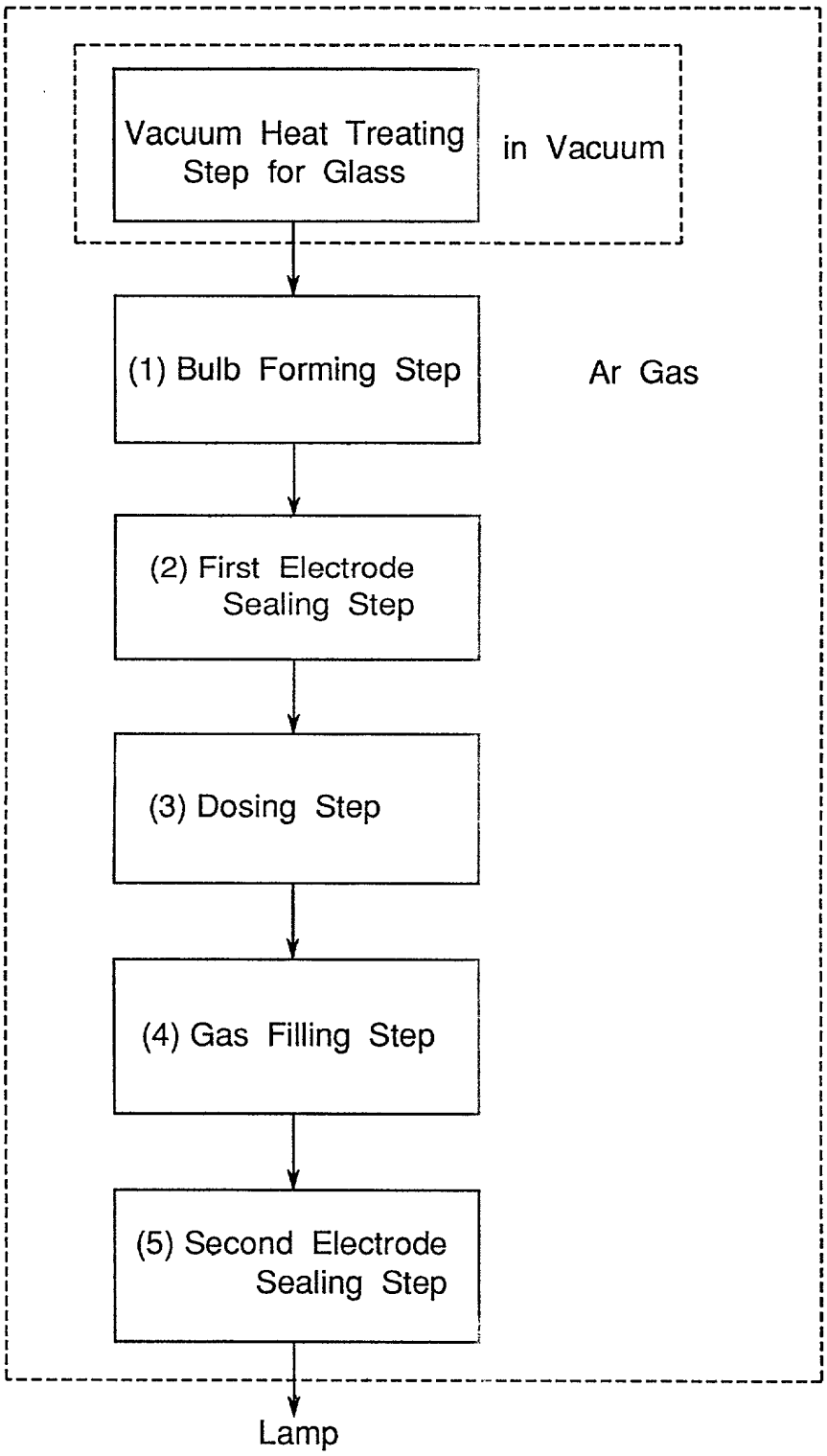
Vacuum Heat Treating Step for Glass
in Vacuum
(1) Bulb Forming Step
Ar Gas
(2) First Electrode Sealing Step
(3) Dosing Step
(4) Gas Filling Step
(5) Second Electrode Sealing Step
Lamp

Fig.15A

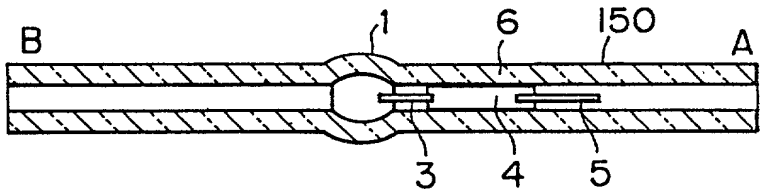

Fig.15B

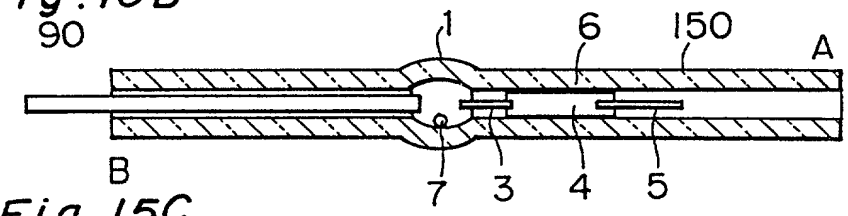

Fig.15C

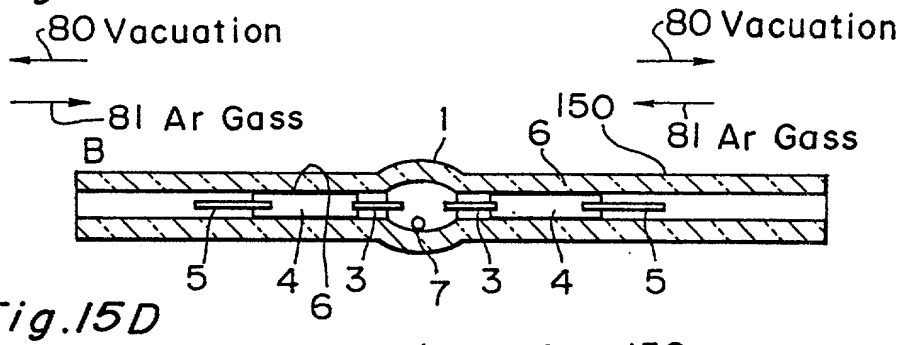

Fig.15D

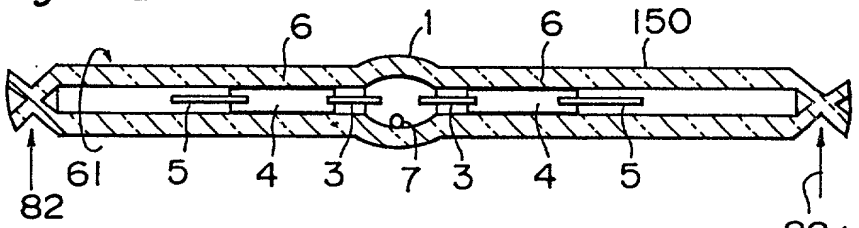

Fig.15E

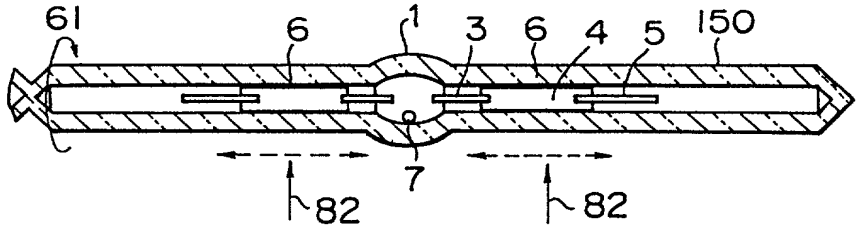

Fig.15F

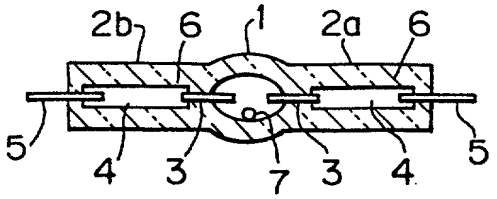

Fig. 16A

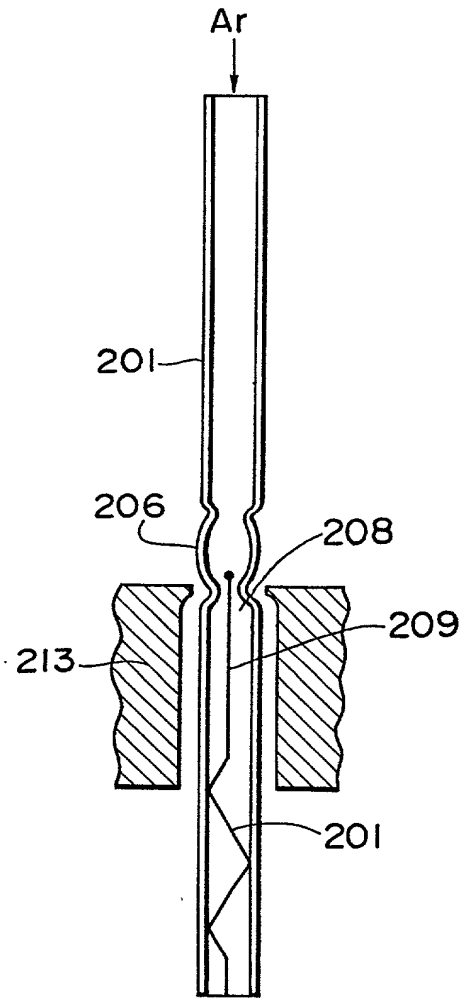

Fig. 16B